MAR 2 2 200 STEELS

#### **PATENT**

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Case No. 00,1287)

In the Application of:	)
Jourdier et al.	)
	) Examiner: To be assigned
Serial No.: 09/746,581	)
	) Group Art Unit: 1646
Filing Date: December 21, 2000	
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For: Mucosally Targeting Immunization	( COLIVED
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	MAR 2 3 <sub>2001</sub>

## INFORMATION DISCLOSURE STATEMENT

TECH CENTER 1600/2900

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the cited references are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned attorney by his signature hereby authorizes any such fee to be debited from Deposit Account 13-2490.

CERTIFICATE OF MAILING (37 C.F.R. 1.8a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington D.C. 20231, on March 16, 2900

Date: March 16, 2001

Michael S/Greenfield

# U. S. PATENTS

- 1. Tsurumizu, et al., U.S. Patent No. 4,661,350, issued April 28, 1987.
- 2. Gaffar, et al., U.S. Patent No. 3,931,398, issued January 6, 1976.

# FOREIGN PATENT DOCUMENTS

- 3. International Patent No. WO 95/11700, published May 4, 1995.
- 4. International Patent No. WO 96/20731, published July 11, 1996.

# **OTHER DOCUMENTS**

- 5. Hinkula, et al. "Nucleic acid vaccination with HIV regulatory genes: a combination of HIV-1 genes in separate plasmids induces strong immune responses." *Vaccine*, Vol. 15, No. 8, 1997, pp. 876-78.
- 6. Thibodeau, et al. "Une immunisation orale et parentérale avec l'immunosame-VIH induit une sécrétion d'IgA spécifique du VIH-1 dans la salive et al production d'IgA circulants chez la souris." C. R. Acad. Sci. Paris III, Vol. 313, No. 9, 1991, pp. 389-94.
- 7. Russell, et al. "Induction of the mucosal immune response." *Rev. Infect. Dis.*, Vol. 10, No. Suppl. 2, July 1988, pp. 2440-46.
- 8. Montgomery, et al. "Induction of secretory and serum antibody responses following oral administration of antigen with bioadhesive degradable starch microparticles." *Oral Microbiology and Immunology*, Vol. 13, No. 3, June 1998, pp. 139-49.
- 9. Lundholm, et al. "Induction of mucosal IgA by a novel jet delivery technique for HIV-1 DNA." *Vaccine*, Vol. 17, April 9, 1999, pp. 2036-42.

Respectfully submitted,

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Date: March 16, 2001

y:

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Reg. No. 37,142